

TECHNIQUES FOR GENERATING SERIAL PRESENCE DETECT CONTENTS

ABSTRACT

Techniques are presented for automatically generating Serial Presence
5 Detect (SPD) contents. Standards for specific values associated with SPD contents
are electronically represented with SPD tokens and rules. When a memory module
is identified, a string of needed SPD tokens are acquired for that memory module.
The SPD tokens are searched for in the standards and specific SPD values are
assembled for the memory module based on the defined rules. The resulting SPD
10 values which are associated with the rules form the needed SPD contents for the
memory module. The SPD contents are used to configure an Electrically Erasable
Programmable Read-Only Memory (EEPROM) on a memory module.